

DELAYED NEUTRON DATA - REVIEW AND EVALUATION

by

Samson A. Cox

ABSTRACT

The status of delayed neutron measurements is reviewed. Emphasis is placed on the absolute yield vs. the energy of the neutrons causing fission, group yields and periods, and in the delayed neutron spectra. Systematics are discussed and an evaluated data set, based both on available measurements and on systematics arguments, is suggested for inclusion in ENDF/B-IV. Areas of delayed neutron studies which require additional measurements are outlined.